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TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	JAN 08	CHEMLIST enhanced with New Zealand Inventory of Chemicals
NEWS	3	JAN 16	CA/Caplus Company Name Thesaurus enhanced and reloaded
NEWS	4	JAN 16	IPC version 2007.01 thesaurus available on STN
NEWS	5	JAN 16	WPIDS/WPINDEX/WPIX enhanced with IPC 8 reclassification data
NEWS	6	JAN 22	CA/Caplus updated with revised CAS roles
NEWS	7	JAN 22	CA/Caplus enhanced with patent applications from India
NEWS	8	JAN 29	PHAR reloaded with new search and display fields
NEWS	9	JAN 29	CAS Registry Number crossover limit increased to 300,000 in multiple databases
NEWS	10	FEB 15	PATDPASPC enhanced with Drug Approval numbers
NEWS	11	FEB 15	RUSSIAPAT enhanced with pre-1994 records
NEWS	12	FEB 23	KOREAPAT enhanced with IPC 8 features and functionality
NEWS	13	FEB 26	MEDLINE reloaded with enhancements
NEWS	14	FEB 26	EMBASE enhanced with Clinical Trial Number field
NEWS	15	FEB 26	TOXCENTER enhanced with reloaded MEDLINE
NEWS	16	FEB 26	IFICDB/IFIPAT/IFIUDB reloaded with enhancements
NEWS	17	FEB 26	CAS Registry Number crossover limit increased from 10,000 to 300,000 in multiple databases
NEWS	18	MAR 15	WPIDS/WPIX enhanced with new FRAGHITSTR display format
NEWS	19	MAR 16	CASREACT coverage extended
NEWS	20	MAR 20	MARPAT now updated daily
NEWS	21	MAR 22	LWPI reloaded
NEWS	22	MAR 30	RDISCLOSURE reloaded with enhancements
NEWS	23	APR 02	JICST-EPLUS removed from database clusters and STN
NEWS	24	APR 30	GENBANK reloaded and enhanced with Genome Project ID field
NEWS	25	APR 30	CHEMCATS enhanced with 1.2 million new records
NEWS	26	APR 30	CA/Caplus enhanced with 1870-1889 U.S. patent records
NEWS	27	APR 30	INPADOC replaced by INPADOCDB on STN
NEWS	28	MAY 01	New CAS web site launched
NEWS	29	MAY 08	CA/Caplus Indian patent publication number format defined
NEWS	30	MAY 14	RDISCLOSURE on STN Easy enhanced with new search and display fields
NEWS	31	MAY 21	BIOSIS reloaded and enhanced with archival data
NEWS	32	MAY 21	TOXCENTER enhanced with BIOSIS reload
NEWS	33	MAY 21	CA/Caplus enhanced with additional kind codes for German patents
NEWS	34	MAY 22	CA/Caplus enhanced with IPC reclassification in Japanese patents
NEWS EXPRESS			NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.
NEWS HOURS			STN Operating Hours Plus Help Desk Availability
NEWS LOGIN			Welcome Banner and News Items
NEWS IPC8			For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 18:10:47 ON 13 JUN 2007

=> file registry

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 18:11:12 ON 13 JUN 2007

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 12 JUN 2007 HIGHEST RN 937161-92-7

DICTIONARY FILE UPDATES: 12 JUN 2007 HIGHEST RN 937161-92-7

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

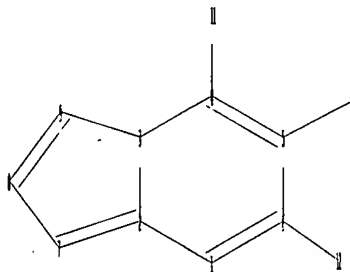
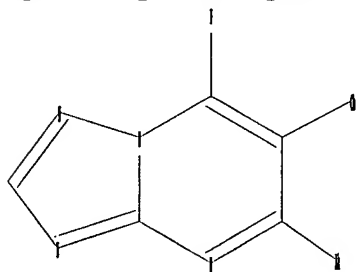
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10 series\10531981\10531981a.str



chain nodes :

10 11 12

ring nodes :

1 2 3 4 5 6 7 8 9

chain bonds :

4-11 5-10 6-12

ring bonds :

1-6 1-2 2-7 2-3 3-9 3-4 4-5 5-6 7-8 8-9

exact/norm bonds :

1-6 1-2 2-7 2-3 3-9 3-4 4-5 4-11 5-6 6-12 7-8 8-9

exact bonds :
5-10

Match level :

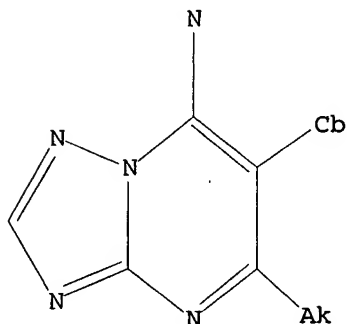
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:CLASS 12:CLASS

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 18:11:33 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 587 TO ITERATE

100.0% PROCESSED 587 ITERATIONS

10 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

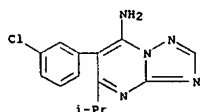
PROJECTED ITERATIONS: 10287 TO 13193

PROJECTED ANSWERS: 11 TO 389

L2 10 SEA SSS SAM L1

=> d scan

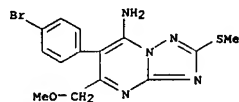
L2 10 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN
 IN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-(3-chlorophenyl)-5-(1-methylethyl)-
 MF C14 H14 Cl N5



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L2 10 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN
 IN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-(4-bromophenyl)-5-(methoxymethyl)-2-(methylthio)-
 MF C14 H14 Br N5 O S



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> s l1 sss full
FULL SEARCH INITIATED 18:12:30 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 11357 TO ITERATE

100.0% PROCESSED 11357 ITERATIONS 163 ANSWERS
SEARCH TIME: 00.00.01

L3 163 SEA SSS FUL L1

=> file caplus
COST IN U.S. DOLLARS SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST 172.55 172.76

FILE 'CAPLUS' ENTERED AT 18:12:36 ON 13 JUN 2007
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FILE COVERS 1907 - 13 Jun 2007 VOL 146 ISS 25
FILE LAST UPDATED: 12 Jun 2007 (20070612/ED)

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<http://www.cas.org/infopolicy.html>

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L4 20 L3

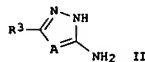
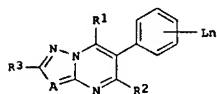
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20 L3
5385470 PD>20021107
(PD>20021107)
L5 6 L3 NOT PD>20021107

=> d l5 1-6 ibib abs hitstr

L5 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 ACCESSION NUMBER: 2002:807309 CAPLUS
 DOCUMENT NUMBER: 137:325424
 TITLE: Preparation of 5-(haloalkyl)azolopyrimidines and their use as pesticides
 INVENTOR(S): Miyahara, Osamu; Hamamura, Hiroshi; Hirai, Yukio; Yokota, Yori
 PATENT ASSIGNEE(S): Nippon Soda Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 35 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

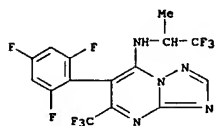
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002308879	A	20021023	JP 2001-115989	20010413
PRIORITY APPLN. INFO.: JP 2001-115989				

OTHER SOURCE(S): MARPAT 137:325424
 GI



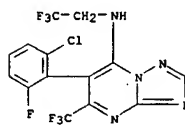
AB Title compds. I [R1 = H, OH, halo, C1-8 (halo)alkyl, C2-8 alkenyl, C2-8 alkynyl, C3-8 cycloalkyl, (un)substituted heterocyclyl, (un)substituted aryl, amino, etc.; R2 = C1-8 haloalkyl; R3 = H, C1-4 alkyl, (un)substituted aryl; L = halo, C1-4 alkyl, C1-3 haloalkyl, C1-4 alkoxy, C1-3 haloalkoxy; n = 0-5; A = N, CH] or their salts are useful as marine antifouling agents, insecticides, acaricides (no data), and agrochem. fungicides. I (R1 = OH; R2, R3, L, n, A = same as above) are prepared by treatment of R2COCH(C6H5-nLn)CO2R4 [R2, L, n = same as above; R4 = C1-4 alkyl, (un)substituted Ph] with azoles II (R3, A = same as above). Thus, I (R1 = OH, R2 = CF3, R3 = H, Ln = 2-Cl-6-F-C6H3, A = N) was chlorinated with POCl3 to give the corresponding chloride with 52% yield, which was

L5 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-(trifluoromethyl)-N-(2,2,2-trifluoro-1-methylethyl)-6-(2,4,6-trifluorophenyl)- (9CI) (CA INDEX NAME)

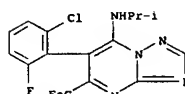


L5 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 condensed with 4-pipecoline to afford 85% I (R1 = 4-pipecolino, R2 = CF3, R3 = H, Ln = 2-Cl-6-F-C6H3, A = N). The product showed ≥75% antifungal activity against Venturia inaequalis.
 IT 473435-13-1P 473435-15-3P 473435-26-6P
 473435-28-8P
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation);
 USES (Uses)

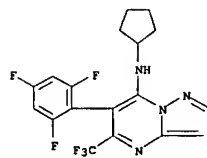
[Preparation of 5-(haloalkyl)azolopyrimidines as pesticides]
 RN 473435-13-1 CAPLUS
 CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-(2-chloro-6-fluorophenyl)-N-(2,2,2-trifluoroethyl)-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 473435-15-3 CAPLUS
 CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-(2-chloro-6-fluorophenyl)-N-(1-methylethyl)-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 473435-26-6 CAPLUS
 CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, N-cyclopentyl-5-(trifluoromethyl)-6-(2,4,6-trifluorophenyl)- (9CI) (CA INDEX NAME)

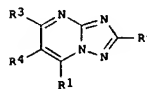


RN 473435-28-8 CAPLUS

L5 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2002:637565 CAPLUS
 DOCUMENT NUMBER: 137:185499
 TITLE: Preparation of triazolopyrimidines as thrombin inhibitors
 INVENTOR(S): Williams, Peter D.; Coburn, Craig; Burgey, Christopher; Morrisette, Matthew M.
 PATENT ASSIGNEE(S): Merck & Co., Inc., USA
 SOURCE: PCT Int. Appl., 184 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

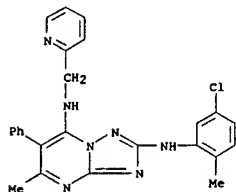
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002064211	A1	20020822	WO 2002-US4654	20020205
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GN, GW, ML, MR, NE, SH, TD, TG				
AU 2002247158	A1	20020828	AU 2002-247158	20020205
PRIORITY APPLN. INFO.: AU 2001-267813P P 20010209				
WO 2002-US4654 W 20020205				

OTHER SOURCE(S): MARPAT 137:185499
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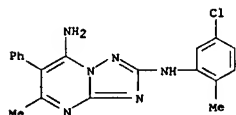


AB Title compds. [I; R1 = H, halo, OH, NH(CH2)nR5, NHCH2CF2R5, etc.; n = 1-3;
 R2 = H, (CH2)mR6, SO2R6; m = 0-2; R3 = H, alkyl, cycloalkyl, CF3; R2R3 = atoms to form a 5-7 membered nonheterocyclic ring; R4 = CH2R7, NH(CH2)mR7;
 R5 = H, pyridine oxide, tetrahydrothiophene dioxide, (substituted) (heterocyclyl, etc.; R6 = pyridine oxide, (substituted) (heterocyclyl, etc.; R7 = (substituted) Ph, pyridyl], were prepared Thus, 3-(2-methyl-5-chlorophenylamino)-5-amino-1,2,4-triazole (preparation given) and Et acetoacetate in HOAc were heated to reflux for 18 h. to give 2-(2-methyl-5-chlorophenylamino)-5-methyl-7-hydroxy-1,2,4-triazolo[1,5-a]pyrimidine. The latter was refluxed 1 h with POCl3 to give the 7-chloro derivative which was heated with 2-(2-pyridyl)ethylamine at 100° for 30 min. to give 2-(2-methyl-5-chlorophenylamino)-5-methyl-7-[2-(2-

L5 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 pyridyl)ethylamino]-1,2,4-triazolo[1,5-a]pyrimidine dihydrochloride (II).
 I inhibited thrombin with IC50<24 nM. II drug compns. are given.
 IT 450399-07-2P 450399-08-3P
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (claimed compound; preparation of triazolopyrimidines as thrombin inhibitors)
 RN 450399-07-2 CAPLUS
 CN [1,2,4]Triazolo[1,5-a]pyrimidine-2,7-diamine, N2-(5-chloro-2-methylphenyl)-5-methyl-6-phenyl-N7-(2-pyridinylmethyl)- (9CI) (CA INDEX NAME)



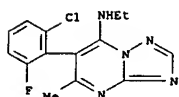
RN 450399-08-3 CAPLUS
 CN [1,2,4]Triazolo[1,5-a]pyrimidine-2,7-diamine, N2-(5-chloro-2-methylphenyl)-5-methyl-6-phenyl-N7-(2-pyridinylmethyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE

FORMAT

L5 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 RN 220482-12-2 CAPLUS
 CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-(2-chloro-6-fluorophenyl)-N-ethyl-5-methyl- (9CI) (CA INDEX NAME)



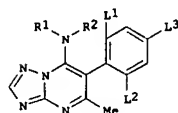
REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE

FORMAT

L5 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1999:761522 CAPLUS
 DOCUMENT NUMBER: 131:351347
 TITLE: Preparation of fungicidal 5-alkyl-triazolopyrimidines
 INVENTOR(S): Pfrengle, Waldemar
 PATENT ASSIGNEE(S): American Cyanamid Company, USA
 SOURCE: U.S., 9 pp.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

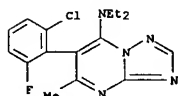
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5994360	A	19991130	US 1998-115496	19980714
PRIORITY APPLN. INFO.:			US 1997-52407P	P 19970714

OTHER SOURCE(S): MARPAT 131:351347
 GI



AB The title compds. I: NR1R2 = piperidino, 4-methylpiperidino; L1-L3 = H, F, Cl (at least one of which being F or Cl) which show selective fungicidal activity, were prepared. Thus, reacting 6-(2-chloro-6-fluorophenyl)-5-chloro-7-(4-methylpiperidin-1-yl)-[1,2,4]triazolo[1,5-a]pyrimidine with di-Et malonate in the presence of NaH in MeCN followed by treatment of the resulting di-Et [6-(2-chloro-6-fluorophenyl)-7-(4-methylpiperidin-1-yl)-[1,2,4]triazolo[1,5-a]pyrimidin-yl]malonate with concentrated HCl afforded I [R1R2 = (CH2)2CH(Me) (CH2)2; L1 = Cl; L2 = F; L3 = H] which showed ED50 > 90 at 0.2 mg/mL in test with Alternaria solani.

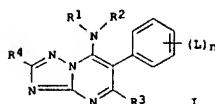
IT 220482-11-1P 220482-12-2P
 RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of fungicidal 5-alkyl-triazolopyrimidines)
 RN 220482-11-1 CAPLUS
 CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-(2-chloro-6-fluorophenyl)-N,N-diethyl-5-methyl- (9CI) (CA INDEX NAME)



L5 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1999:106975 CAPLUS
 DOCUMENT NUMBER: 130:168390
 TITLE: Preparation of 5-alkyltriazolopyrimidines, and agrochemical bactericidal and fungicidal compositions containing them
 INVENTOR(S): Pfrengle, Waldemar Franz Augustin
 PATENT ASSIGNEE(S): American Cyanamid Co., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 13 pp.
 CODEN: JXOXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 11035581	A	19990209	JP 1998-208531	19980709
FR 2765875	A1	19990115	FR 1998-8423	19980701
FR 2765875	B1	19991119		
PRIORITY APPLN. INFO.:			US 1997-892495	A 19970714

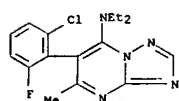
OTHER SOURCE(S): MARPAT 130:168390
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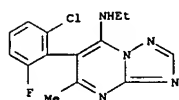
AB The title compds. I (R1 = (un)substituted alkyl, alkenyl, alkynyl, aryl, heteroaryl, etc.; R2 = H, (un)substituted alkyl, alkenyl, alkynyl, aryl, heteroaryl, etc.; R1NR2 may form (un)substituted heterocyclyl; R3 = alkyl; R4 = H, alkyl, aryl; L = halo, (un)substituted alkyl, alkoxy; A = N, CR5; R5 = similar group as shown in R4; n = 0-5) are claimed. I (R1, R2, R4, A, L, n = same as above; R3 = Me) are prepared by treatment of 5-haloazopyrimidines I (R1, R2, R4, A, L, n = same as above; R3 = halo) with alkyl malonate in the presence of bases, then heating the resulting modified malonate esters with acids. I [R1NR2 = 4-methylpiperidin-1-yl; R3 = CH(CO2Et)2; R4 = H, A = N, Ln = 2-Cl, 6-F] (0.5 g) was treated with concentrated HCl at 80° for 24 h to give 0.27 g I [R1NR2, R4, A, Ln = same as above, R3 = Me], which showed strong antimicrobial activities.

IT 220482-11-1P 220482-12-2P
 RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); IMF (Industrial manufacture); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of 5-alkyltriazolopyrimidines as agrochem. bactericides and fungicides)
 RN 220482-11-1 CAPLUS
 CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-(2-chloro-6-fluorophenyl)-N,N-diethyl-5-methyl- (9CI) (CA INDEX NAME)

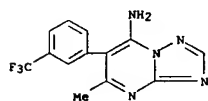
L5 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



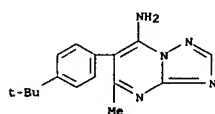
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L5 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
R2 = H, alkyl, aryl; A = N or CR3, where R3 = alkyl, aryl, halo, etc.) were prepd. and shown to be superior as fungicides to, e.g., N-[(trichloromethyl)thio]phthalimide. Thus, 3-CF3C6H4CH(CN)CHO was refluxed with 5-methyl-3-pyrazolamine in AcOH 4 h to give II.
IT 85841-24-3P 85841-37-8P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation) (preparation of, as fungicide)
RN 85841-24-3 CAPLUS
CN (1,2,4)Triazolo[1,5-a]pyrimidin-7-amine, 5-methyl-6-[(3-(trifluoromethyl)phenyl)- (9CI) (CA INDEX NAME)



RN 85841-37-8 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-[4-(1,1-dimethylethyl)phenyl]-5-methyl- (CA INDEX NAME)

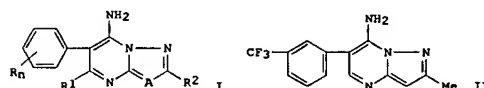


L5 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1983:215609 CAPLUS
DOCUMENT NUMBER: 98:215609
TITLE: 7-Aminoazolo[1,5-a]pyrimidines and fungicides containing them
INVENTOR(S): Eicken, Karl; Scheib, Klaus; Theobald, Hans; Pommer, Ernst Heinrich; Ammermann, Eberhard
PATENT ASSIGNEE(S): BASF A.-G., Fed. Rep. Ger.
SOURCE: Ger. Offen., 20 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 3130633	A1	19830217	DE 1981-3130633	19810801
EP 71792	A2	19830216	EP 1982-106335	19820715
EP 71792	A3	19830406		
EP 71792	B1	19850130		
AT 11539	T	19850215	AT 1982-106335	19820715
IL 66358	A	19850830	IL 1982-66358	19820720
CA 1180329	A1	19850101	CA 1982-407815	19820722
DD 202093	A5	19830831	DD 1982-242024	19820728
CS 226748	B2	19840416	CS 1982-5723	19820729
DK 8203416	A	19830202	DK 1982-3416	19820730
DK 160020	B	19910114		
DK 160020	C	19910603		
AU 8286659	A	19830210	AU 1982-86659	19820730
AU 553663	B2	19860724		
JP 58043974	A	19830314	JP 1982-132278	19820730
JP 02061955	B	19901221		
ZA 8205498	A	19830727	ZA 1982-5498	19820730
HU 30908	A2	19840428	HU 1982-2474	19820730
HU 188325	B	19860428		
US 4567263	A	19860128	US 1984-651660	19840918
			DE 1981-3130633	A 19810801
			EP 1982-106335	A 19820715
			US 1982-401346	A1 19820723

PRIORITY APPLN. INFO.:

OTHER SOURCE(S): MARPAT 98:215609
GI



AB I (R = alkyl, aryl, alkoxy, halo, cycloalkyl, cyano, etc.; n = 1 or 2; R1,

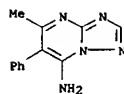
L5 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1948:33759 CAPLUS
DOCUMENT NUMBER: 42:33759
ORIGINAL REFERENCE NO.: 42:7178h-1,7179a-1,7180a-1
TITLE: Stabilizers for photographic emulsions
INVENTOR(S): Heimbach, Newton; Kelly, Walter, Jr.
PATENT ASSIGNEE(S): General Aniline & Film Corp.
DOCUMENT TYPE: Patent
LANGUAGE: Unavailable
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2446605		19480706	US 1945-635334	19451215

GI For diagram(s), see printed CA Issue.
AB Light-sensitive Ag halide emulsions are stabilized by hydroxy-1,3,4-triazaindolizines (I) obtained by the condensation of a β -keto ester, a malonic acid ester, or a mononitrile of a malonic acid ester with an aminotriazole. In I R is H, alkyl, alicyclic, aryl, or heterocyclic, R' is H, alkyl, alicyclic, aryl, or a heterocyclic radical of the same value as R, and R'' is either NH2, OH, carbalkoxy, alkyl, or an alicyclic or heterocyclic radical of the same value as R. When R and R' are H, R'' must be a radical other than alkyl. I is prepared by refluxing 1 mol. of the β -keto ester, malonic ester, or mononitrile of a malonic ester with 1 mol. 3-amino-1,2,4-triazole at reflux temperature in the presence of a solvent, e.g., glacial AcOH, 3-8 hrs., during the treatment H2O and alc. are formed. As the condensation proceeds the final product either ppt. from solution during the reaction or is removed by diluting the solvent with H2O, EtOH, etc. Suitable β -keto esters are acetoacetic ester, malonic esters and mononitriles are di-Me malonate, Et cyanoacetate, and 5-amino-1,2,4,1H-triazoles are 5-amino-3-methyl-1,2,4,1H-triazole, etc. The following 1,3,4-triazaindolizines have been prepared:
7-hydroxy-6-ethyl-5-methyl (III); 7-hydroxy-6-ethyl-2,5-dimethyl; 7-hydroxy-5-methyl-2-phenyl; 7-hydroxy-2-methyl-5-phenyl; 7-hydroxy-5-phenyl (III); 7-hydroxy-2,5-diphenyl;
7-hydroxy-2-isopropyl-5-methyl; 7-hydroxy-2,5-dimethyl; 5,7-dihydroxy; 7-hydroxy-5-amino; 7-hydroxy-5-carbethoxy; 7-hydroxy-5-(3-pyridyl) (IV); 7-hydroxy-2-cyclohexyl-5-methyl; 7-hydroxy-2-(2-furyl)-5-methyl; 7-hydroxy-5-cyclohexyl; 7-hydroxy-6-cyclohexyl-5-methyl; 7-hydroxy-6-(2-furyl)-5-methyl; 7-hydroxy-5-methyl-6-phenyl. In preparing an emulsion with stabilizers, a solution of the stabilizer in a solvent, e.g., alc. or alc.-H2O, pH 7.5-10, is made and the solution mixed with the emulsion during ripening or prior to coating in concns. of 25-500 mg. per l. of emulsion. Testing of stabilizers used in the following examples consists of coating 2 film strips, e.g., cellulose acetate, with the same emulsion, one with and one without a stabilizer, storing the emulsions in an incubator for 6 days at 50°, then processing in the usual way. The fog d. in the unexposed areas in the emulsions is measured in a transmission densitometer. A gelatin-bromide emulsion without stabilizer gave a fog d. of 0.28 while another film coated with the same emulsion containing an addition of 100 mg. IV per l. emulsion equivalent to 50 g. Ag halide, gave a fog d. of 0.08; an equivalent quantity of III substituted for IV gave the same results; 75 mg. II substituted for 100 mg. IV gave a fog d. of 0.1.

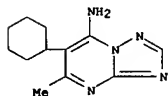
L5 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2007 ACS ON STN (Continued)
Emulsions contg. these stabilizers not only reduce fog produced by incubation or by long storage, but also diminish or eliminate changes of speed to which some emulsions are susceptible. Stabilizers are used in orthochromatic, panchromatic, nonsensitized, and x-ray emulsions. If used with sensitizing dyes they are added to the emulsion before or after the dyes are added. Dispersing agents for Ag halides are gelatin or H₂O-sol. cellulose derivs., e.g., hydroxyethylcellulose. Stabilizers are employed in gelatin or other colloid, e.g., polyamides, as an under- or overcoat for the emulsion or as backing layer for the support. They may be incorporated in the support for the sensitive emulsion layer or in an intermediate layer between the sensitive emulsion layer and the support, such as the baryta coating used in photographic papers, or incorporated in a protective layer coated on the emulsion surface, or the finished photographic material may be bathed in an alc. or alc.-H₂O soln. contg. the stabilizer. In U.S. 2,444,606, I are obtained by the condensation of a β-keto or β-imino nitrile with a 5-amino-1,2,4,1H-triazole; R and R' are H, alkyl, alicyclic, aryl, or a heterocyclic radical, and R'' is either alkyl, alicyclic, aryl, or a heterocyclic radical of the same value as R. Suitable β-keto nitriles are acetylacetonitrile and β-imino nitriles, β-iminobutyronitrile. As condensation between the β-keto or β-imino group and the primary amino group of the 5-amino-1,2,4,1H-triazole proceeds the final product either ppts. or is removed by dilg. the solvent with H₂O, EtOH, or Me₂CO. The following 1,3,4-triazaindolizines have been prepd.: 7-amino-5-methyl (V); 7-amino-5-phenyl (VI); 7-amino-5-methyl-2-phenyl (VII); 7-amino-6-ethyl-5-methyl; 7-amino-5-methyl-6-phenyl; 7-amino-2-(2-furyl)-5-methyl; 7-amino-5-(3-pyridyl); 7-amino-2,5-dimethyl; 7-amino-2-cyclohexyl-5-methyl; 7-amino-5-cyclohexyl; 7-amino-5-methyl-6-(3-pyridyl); 7-amino-5-methyl-6-cyclohexyl. The same testing procedures as in U.S. 2,444,605 were used: In the 1st example, V gave the same results; in the 2nd example, VI gave the same results; in the 3rd example, 75 mg. VII substituted for 100 mg. V gave a fog d. of 0.1. In U.S. 2,444,608, the prepn. of 1,3-bis(5-amino-1,3,4,1H-triazolyl)oxopropenes (VIII), where R is H or alkyl, R' is alkyl of the same value as R, aryl, or aralkyl, and R'' is either H, allyl, or alkyl of the same value as R, by condensing a β-keto ester or anilide thereof with a 5-amino-1,2,4,1H-triazole, and their use as stabilizers to prevent fog and increase stability are given. Suitable β-keto esters and anilides are, e.g., Et acetoacetate, Et toluylacetylacetonanilide. Condensation is carried out by heating the reagents at 150-60° with C₆H₅NO₂ for from 10 min. to 2 hrs. The final product either ppts. or is removed by dilg. with an aromatic hydrocarbon, e.g., PhMe, or an oxygenated solvent, e.g., EtOH, and recrystd. from H₂O. Instead of heating, the reactants may be allowed to stand in cold 5-20% aq. NaOH or KOH for several days at room temp., dild. with an equal vol. of H₂O, and warmed to redissolve the product. Cold glacial AcOH is added and, after chilling, the product is filtered, washed in cold H₂O, and recrystd. from boiling H₂O. The following 2-propen-1-ones have been prepd.: 1,3-bis(5-amino-1,2,4,1H-triazol-1-yl)-3-methyl-2-allyl (IX); 1,3-bis(5-amino-1,2,4,1H-triazol-1-yl)-3-methyl (X); 1,3-bis(5-amino-3-methyl-1,2,4,1H-triazol-1-yl)-3-methyl (XI); 1,3-bis(5-amino-3-methyl-1,2,4,1H-triazol-1-yl)-3-methyl-2-allyl; 1,3-bis(5-amino-1,2,4,1H-triazol-1-yl)-3-phenyl; 1,3-bis(5-amino-1,2,4,1H-triazol-1-yl)-3-ethyl; 1,3-bis(5-amino-3-propyl-1,2,4,1H-triazol-1-yl)-3-

L5 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2007 ACS ON STN (Continued)
methyl; 1,3-bis(5-amino-3-ethyl-1,2,4,1H-triazol-1-yl)-2,3-dimethyl. The following examples illustrate the prepn. of the compds.: Example 1. To 15 cc. C₆H₅NO₂, 8.4 g. 5-amino-1,2,4,1H-triazole and 8.5 g. Et α-allylacetoacetate were added and the mixt. was heated to 150-60° 1 hr., cooled to room temp., and the product pptd. with Et₂O. The ppt. was washed with Et₂O and recrystd. from H₂O with charcoal. Example 2. 8.4 g. 5-amino-1,2,4,1H-triazole was dissolved in 15 cc. H₂O, the mixt. cooled to room temp., and 13 g. ethyl acetoacetate added. After standing 15 min., a cold soln. of 4 g. NaOH in 10 cc. H₂O was added slowly with cooling to keep at room temp. After standing for 2 days, the mixt. was dild. to 40 cc. and warmed to redissolve the ppt., then 6 g. cold glacial AcOH added, and, after chilling, the product filtered, washed with H₂O, and recrystd. from boiling H₂O. Example 3. To 15 cc. C₆H₅NO₂, 9.8 g. 5-amino-3-methyl-1,2,4,1H-triazole and 6.5 g. Et acetoacetate were added and the mixt. was heated to 150-160° 1 hr., cooled to room temp., and the product isolated by dilg. with Et₂O and recrystg. from H₂O. Example 4. Example 3 was repeated except that 96 g. Et benzoylacacetate was substituted for 6.5 g. Et acetoacetate. By the same procedure as used in the 1st example of U.S. 2,444,605 in testing VIII as stabilizers, IX had a fog d. of 0.06; an equiv. amt. of X gave the same results; 75 mg. XI substituted for 100 mg. IX gave a fog d. of 0.1. Cf. preceding and following abstrs. IT 856864-28-3P, s-Triazolo[1,5-a]pyrimidine, 7-amino-5-methyl-6-phenyl- 856864-33-OP, s-Triazolo[1,5-a]pyrimidine, 7-amino-6-cyclohexyl-5-methyl- RL: PREP (Preparation) (preparation of) RN 856864-28-3 CAPLUS CN s-Triazolo[1,5-a]pyrimidine, 7-amino-5-methyl-6-phenyl- (SCI) (CA INDEX NAME)



RN 856864-33-0 CAPLUS
CN s-Triazolo[1,5-a]pyrimidine, 7-amino-6-cyclohexyl-5-methyl- (SCI) (CA INDEX NAME)

L5 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2007 ACS ON STN (Continued)



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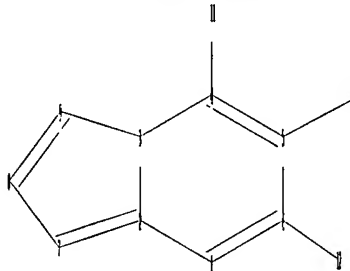
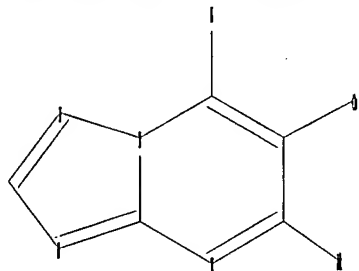
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ring nodes :

1 2 3 4 5 6 7 8 9

chain bonds :

4-11 5-10 6-12

ring bonds :

1-6 1-2 2-7 2-3 3-9 3-4 4-5 5-6 7-8 8-9

exact/norm bonds :

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exact bonds :

5-10

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom

11:CLASS 12:CLASS

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L3          6 L2 NOT PD>20021107

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L3 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1948:33759 CAPLUS
DOCUMENT NUMBER: 42:33759
ORIGINAL REFERENCE NO.: 42:7178h-1,7179a-1,7180a-1
TITLE: Stabilizers for photographic emulsions
INVENTOR(S): Heimbach, Newton; Kelly, Walter, Jr.
PATENT ASSIGNEE(S): General Aniline & Film Corp.
DOCUMENT TYPE: Patent
LANGUAGE: Unavailable
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2444605		19480706	US 1945-635334	19451215

GI For diagram(s), see printed CA Issue.

AB Light-sensitive Ag halide emulsions are stabilized by hydroxy-1,3,4-triazaindolizines (I) obtained by the condensation of a β -keto ester, a malonic acid ester, or a mononitrile of a malonic acid ester with an aminotriazole. In I R is H, alkyl, alicyclic, aryl, or heterocyclic, R' is H, alkyl, alicyclic, aryl, or a heterocyclic radical of the same value as R, and R'' is either NH₂, OH, carbalkoxy, alkyl, or an alicyclic or heterocyclic radical of the same value as R. When R and R' are H, R'' must be a radical other than alkyl. I is prepared by refluxing 1 mol. of the β -keto ester, malonic ester, or mononitrile of a malonic ester with 1 mol. 3-amino-1,2,4-triazole at reflux temperature in the presence of a solvent, e.g., glacial AcOH, 3-8 hrs.: during the treatment H₂O and alc. are formed. As the condensation proceeds the final product either ppts. from solution during the reaction or is removed by diluting the solvent with H₂O, EtOH, etc. Suitable β -keto esters are acetoacetic ester, malonic esters and mononitriles are di-Me malonate, Et cyanoacetate, and 5-amino-1,2,4,1H-triazoles are 5-amino-3-methyl-1,2,4,1H-triazole, etc. The following 1,3,4-triazaindolizines have been prepared: 7-hydroxy-6-ethyl-5-methyl (II); 7-hydroxy-6-ethyl-2,5-dimethyl; 7-hydroxy-5-methyl-2-phenyl; 7-hydroxy-2-methyl-5-phenyl; 7-hydroxy-5-phenyl (III); 7-hydroxy-2,5-diphenyl; 7-hydroxy-2-isopropyl-5-methyl; 7-hydroxy-2,5-dimethyl; 5,7-dihydroxy; 7-hydroxy-5-amino; 7-hydroxy-5-carbomethoxy; 7-hydroxy-5-(3-pyridyl) (IV); 7-hydroxy-2-cyclohexyl-5-methyl; 7-hydroxy-2-(2-furyl)-5-methyl; 7-hydroxy-5-cyclohexyl; 7-hydroxy-6-cyclohexyl-5-methyl; 7-hydroxy-6-(2-furyl)-5-methyl; 7-hydroxy-5-methyl-6-phenyl. In preparing an emulsion with stabilizers, a solution of the stabilizer in a solvent, e.g., alc. or alc.-H₂O, pH 7.5-10, is made and the solution mixed with the emulsion during ripening or prior to coating in concns. of 25-500 mg. per l. of emulsion. Testing of stabilizers used in the following examples consists of coating 2 film strips, e.g., cellulose acetate, with the same emulsion, one with and one without a stabilizer, storing the emulsions in an incubator for 6 days at 50°, then processing in the usual way. The fog d. in the unexposed areas in the emulsions is measured in a transmission densitometer. A gelatin-bromide emulsion without stabilizer gave a fog d. of 0.28 while another film coated with the same emulsion containing an addition of 100 mg. IV per l. emulsion equivalent to 50 g. Ag halide, gave a fog d. of 0.08; an equivalent quantity of III substituted for IV gave the same results; 75 mg. II substituted for 100 mg. IV gave a fog d. of 0.1.

L3 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

15 methyl; 1,3-bis(5-amino-3-ethyl-1,2,4,1H-triazol-1-yl)-2,3-dimethyl. The following examples illustrate the prepn. of the compds.: Example 1. To cc. C₆H₅NO₂, 8.4 g. 5-amino-1,2,4,1H-triazole and 8.5 g. Et α -allylacetate were added and the mixt. was heated to 150-60° 1 hr., cooled to room temp., and the product pptd. with Et₂O. The ppt. was washed with Et₂O and recrystd. from H₂O with charcoal.

Example 2. 8.4 g. 5-amino-1,2,4,1H-triazole was dissolved in 15 cc. H₂O, the mixt. cooled to room temp., and 13 g. ethyl acetoacetate added.

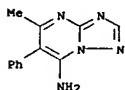
After standing 15 min., a cold soln. of 4 g. NaOH in 10 cc. H₂O was added slowly with cooling to keep at room temp. After standing for 2 days, the mixt. was dild. to 40 cc. and warmed to redissolve the ppt., then 6 g. cold glacial AcOH added, and, after chilling, the product filtered, washed with H₂O, and recrystd. from boiling H₂O. Example 3. To 15 cc. C₆H₅NO₂, 9.8 g. 5-amino-3-methyl-1,2,4,1H-triazole and 6.5 g. Et acetoacetate were added and the mixt. was heated to 150-160° 1 hr., cooled to room temp., and the product isolated by dilg. with Et₂O and recrystg. from H₂O.

Example 4. Example 3 was repeated except that 96 g. Et benzoylacetate was substituted for 6.5 g. Et acetoacetate. By the same procedure as used in the 1st example of U.S. 2,444,605 in testing VIII as stabilizers, IX had a fog d. of 0.06; an equiv. amt. of X gave the same results; 75 mg. XI substituted for 100 mg. IX gave a fog d. of 0.1. Cf. preceding and following abstrs.

IT 856864-28-3P, s-Triazolo[1,5-a]pyrimidine, 7-amino-5-methyl-6-phenyl- 856864-33-OP, s-Triazolo[1,5-a]pyrimidine, 7-amino-6-cyclohexyl-5-methyl-RL: PREP (Preparation of)

RN 856864-28-3 CAPLUS

CN s-Triazolo[1,5-a]pyrimidine, 7-amino-5-methyl-6-phenyl- (SCI) (CA INDEX NAME)



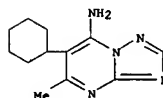
RN 856864-33-0 CAPLUS

CN s-Triazolo[1,5-a]pyrimidine, 7-amino-6-cyclohexyl-5-methyl- (SCI) (CA INDEX NAME)

L3 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

Emulsions contg. these stabilizers not only reduce fog produced by incubation or by long storage, but also diminish or eliminate changes of speed to which some emulsions are susceptible. Stabilizers are used in orthochromatic, panchromatic, nonsensitized, and x-ray emulsions. If used with sensitizing dyes they are added to the emulsion before or after the dyes are added. Dispersing agents for Ag halides are gelatin or H₂O-sol. cellulose deriva., e.g., hydroxyethylcellulose. Stabilizers are employed in gelatin or other colloid, e.g., polyamides, as an under- or overcoat for the emulsion or as backing layer for the support. They may be incorporated in the support for the sensitive emulsion layer or in an intermediate layer between the sensitive emulsion layer and the support, such as the baryta coating used in photographic papers, or incorporated in a protective layer coated on the emulsion surface, or the finished photographic material may be bathed in an alc. or alc.-H₂O soln. contg. the stabilizer. In U.S. 2,444,606, I are obtained by the condensation of a β -keto or β -imino nitrile with a 5-amino-1,2,4,1H-triazole; R and R' are H, alkyl, alicyclic, aryl, or a heterocyclic radical, and R'' is either alkyl, alicyclic, aryl, or a heterocyclic radical of the same value as R. Suitable β -keto nitriles are acetylacetonitrile and β -imino nitriles, β -iminobutyronitrile. As condensation between the β -keto or β -imino group and the primary amino group of the 5-amino-1,2,4,1H-triazole proceeds the final product either ppts. or is removed by dilg. the solvent with H₂O, EtOH, or Me₂CO. The following 1,3,4-triazaindolizines have been prepd.: 7-amino-5-methyl (V); 7-amino-5-phenyl (VI); 7-amino-5-methyl-2-phenyl (VII); 7-amino-6-ethyl-5-methyl; 7-amino-5-methyl-6-phenyl; 7-amino-2-(2-furyl)-5-methyl; 7-amino-5-(3-pyridyl); 7-amino-2,5-dimethyl; 7-amino-2-cyclohexyl-5-methyl; 7-amino-5-cyclohexyl; 7-amino-5-methyl-6-(3-pyridyl); 7-amino-5-methyl-6-cyclohexyl. The same testing procedures as in U.S. 2,444,605 were used: In the 1st example, V gave the same results; in the 2nd example, VI gave the same results; in the 3rd example, 75 mg. VII substituted for 100 mg. V gave a fog d. of 0.1. In U.S. 2,444,608, the prepn. of 1,3-bis(5-amino-1,3,4,1H-triazolyl)oxopropenes (VIII), where R is H or alkyl, R' is alkyl of the same value as R, aryl, or aralkyl, and R'' is either H, alkyl, or alkyl of the same value as R, by condensing a β -keto ester or anilide thereof with a 5-amino-1,2,4,1H-triazole, and their use as stabilizers to prevent fog and increase stability are given. Suitable β -keto esters and anilides are, e.g., Et acetoacetate, Et toluylacetylacetanilide. Condensation is carried out by heating the reagents at 150-60° with C₆H₅NO₂ for from 10 min. to 2 hrs. The final product either ppts. or is removed by dilg. with an aromatic hydrocarbon, e.g., PhMe, or an oxygenated solvent, e.g., EtOH, and recrystd. from H₂O. Instead of heating, the reactants may be allowed to stand in cold 5-20% aq. NaOH or KOH for several days at room temp., dild. with an equal vol. of H₂O, and warmed to redissolve the product. Cold glacial AcOH is added and, after chilling, the product is filtered, washed in cold H₂O, and recrystd. from boiling H₂O. The following 2-propen-1-ones have been prepd.: 1,3-bis(5-amino-1,2,4,1H-triazol-1-yl)-3-methyl-2-allyl (IX); 1,3-bis(5-amino-1,2,4,1H-triazol-1-yl)-3-methyl (X); 1,3-bis(5-amino-3-methyl-1,2,4,1H-triazol-1-yl)-3-methyl (XI); 1,3-bis(5-amino-3-methyl-1,2,4,1H-triazol-1-yl)-3-methyl-2-allyl; 1,3-bis(5-amino-1,2,4,1H-triazol-1-yl)-3-phenyl; 1,3-bis(5-amino-1,2,4,1H-triazol-1-yl)-3-ethyl; 1,3-bis(5-amino-3-propyl-1,2,4,1H-triazol-1-yl)-3-

L3 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



=> FIL REGISTRY

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
FULL ESTIMATED COST	ENTRY	SESSION
	8.22	180.53
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
CA SUBSCRIBER PRICE	ENTRY	SESSION
	-0.78	-0.78

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=> S 856864-33-0/RN

L4 1 856864-33-0/RN

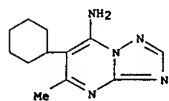
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NOTICE SET TO 1 U.S. DOLLAR FOR DISPLAY COMMAND
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L4 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2007 ACS on STN
RN 956864-33-0 REGISTRY
CN s-Triazolo[1,5-a]pyrimidine, 7-amino-6-cyclohexyl-5-methyl- (5CI) (CA
INDEX NAME)
MF C12 H17 N5
SR CAS EARLY REGISTRATIONS
LC STN Files: CA, CAPLUS
DT.CA Caplus document type: Patent
RL.P Roles from patents: PREP (Preparation)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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NOTICE SET TO OFF FOR DISPLAY COMMAND
SET COMMAND COMPLETED

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=> d ref

L4 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2007 ACS on STN
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> d l4 ibib
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The following are valid formats:

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REG - RN
SAM - Index Name, MF, and structure - no RN
FIDE - All substance data, except sequence data
IDE - FIDE, but only 50 names
SQIDE - IDE, plus sequence data
SQIDE3 - Same as SQIDE, but 3-letter amino acid codes are used
SQD - Protein sequence data, includes RN
SQD3 - Same as SQD, but 3-letter amino acid codes are used
SQN - Protein sequence name information, includes RN

CALC - Table of calculated properties
EPROP - Table of experimental properties
PROP - EPROP and CALC

Any CA File format may be combined with any substance format to obtain CA references citing the substance. The substance formats must be cited first. The CA File predefined formats are:

ABS -- Abstract
APPS -- Application and Priority Information
BIB -- CA Accession Number, plus Bibliographic Data
CAN -- CA Accession Number
CBIB -- CA Accession Number, plus Bibliographic Data (compressed)
IND -- Index Data
IPC -- International Patent Classification
PATS -- PI, SO
STD -- BIB, IPC, and NCL

IABS -- ABS, indented, with text labels
IBIB -- BIB, indented, with text labels
ISTD -- STD format, indented

OBIB ----- AN, plus Bibliographic Data (original)
OIBIB ----- OBIB, indented with text labels

SBIB ----- BIB, no citations
SIBIB ----- IBIB, no citations

The ALL format gives FIDE BIB ABS IND RE, plus sequence data when it is available.

The MAX format is the same as ALL.

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For additional information, please consult the following help messages:

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HELP FORMATS -- To see detailed descriptions of the predefined formats.
ENTER DISPLAY FORMAT (IDE):
ENTER DISPLAY FORMAT (IDE):abs

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REG - RN
SAM - Index Name, MF, and structure - no RN
FIDE - All substance data, except sequence data
IDE - FIDE, but only 50 names
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SQIDE3 - Same as SQIDE, but 3-letter amino acid codes are used
SQD - Protein sequence data, includes RN
SQD3 - Same as SQD, but 3-letter amino acid codes are used
SQN - Protein sequence name information, includes RN

CALC - Table of calculated properties
EPROP - Table of experimental properties
PROP - EPROP and CALC

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IABS -- ABS, indented, with text labels
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ISTD -- STD format, indented

OBIB ----- AN, plus Bibliographic Data (original)
OIBIB ----- OBIB, indented with text labels

SBIB ----- BIB, no citations
SIBIB ----- IBIB, no citations

The ALL format gives FIDE BIB ABS IND RE, plus sequence data when it is available.

The MAX format is the same as ALL.

The IALL format is the same as ALL with BIB ABS and IND indented, with text labels.

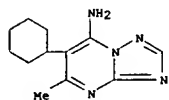
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L4 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2007 ACS on STN
RN 856864-33-0 REGISTRY

=> d 14

L4 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2007 ACS on STN
RN 856864-33-0 REGISTRY
ED Entered STN: 25 Jul 2005
CN s-Triazolo[1,5-a]pyrimidine, 7-amino-6-cyclohexyl-5-methyl- (SCI) (CA
INDEX NAME)
MF C12 H17 N5
SR CAS EARLY REGISTRATIONS
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)